

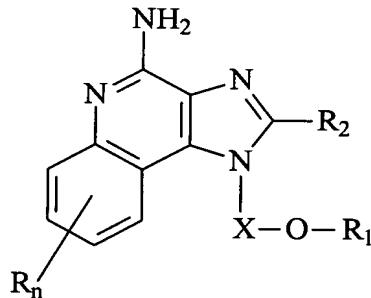
**Amendments to the Claims:**

The following Listing of Claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims**

1-33 (canceled)

34. (previously presented) A method of treating a neoplastic disease in an animal in need thereof comprising administering to the animal a therapeutically effective amount of a compound of the formula (I):



(I)

wherein: X is -CHR<sub>3</sub>-, -CHR<sub>3</sub>-alkyl-, or -CHR<sub>3</sub>-alkenyl-;

R<sub>1</sub> is selected from the group consisting of:

- alkenyl;
- aryl; and
- R<sub>4</sub>-aryl;

R<sub>2</sub> is selected from the group consisting of:

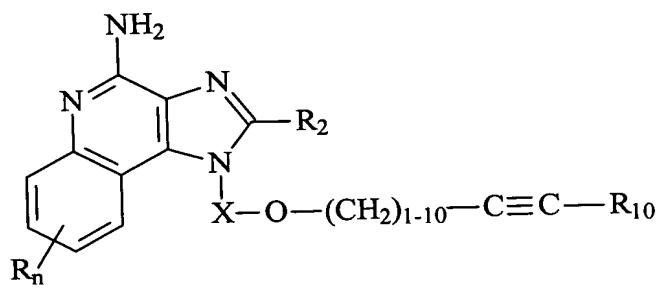
- hydrogen;
- alkyl;
- alkenyl;
- aryl;
- heteroaryl;
- heterocyclyl;

-alkyl-Y-alkyl;  
-alkyl-Y-alkenyl;  
-alkyl-Y-aryl; and  
-alkyl or alkenyl substituted by one or more substituents selected from the group consisting of:  
-OH;  
-halogen;  
-N(R<sub>3</sub>)<sub>2</sub>;  
-CO-N(R<sub>3</sub>)<sub>2</sub>;  
-CO-C<sub>1-10</sub> alkyl;  
-CO-O-C<sub>1-10</sub> alkyl;  
-N<sub>3</sub>;  
-aryl;  
-heteroaryl;  
-heterocyclyl;  
-CO-aryl; and  
-CO-heteroaryl;

R<sub>4</sub> is alkyl or alkenyl, which may be interrupted by one or more -O- groups;  
each R<sub>3</sub> is independently H or C<sub>1-10</sub> alkyl;  
Y is -O- or -S(O)<sub>0-2</sub>-;  
n is 0 to 4; and  
each R present is independently selected from the group consisting of C<sub>1-10</sub> alkyl, C<sub>1-10</sub> alkoxy, hydroxy, halogen and trifluoromethyl;  
or a pharmaceutically acceptable salt thereof, that induces cytokine biosynthesis.

35 (canceled)

36. (previously presented) A method of treating a neoplastic disease in an animal in need thereof comprising administering to the animal a therapeutically effective amount of a compound of the formula (II):



(II)

wherein  $X$  is  $-\text{CHR}_3-$ ,  $-\text{CHR}_3\text{-alkyl}-$ , or  $-\text{CHR}_3\text{-alkenyl}-$ ;

$R_{10}$  is selected from the group consisting of:

- H;
- alkyl;
- alkenyl; and
- aryl;

$R_2$  is selected from the group consisting of:

- hydrogen;
- alkyl;
- alkenyl;
- aryl;
- heteroaryl;
- heterocyclyl;
- alkyl-Y-alkyl;
- alkyl-Y-alkenyl;
- alkyl-Y-aryl; and

-alkyl or alkenyl substituted by one or more substituents selected from the group consisting of:

- OH;
- halogen;
- $-\text{N}(\text{R}_3)_2$ ;
- $-\text{CO-N}(\text{R}_3)_2$ ;

-CO-C<sub>1-10</sub> alkyl;  
-CO-O-C<sub>1-10</sub> alkyl;  
-N<sub>3</sub>;  
-aryl;  
-heteroaryl;  
-heterocyclyl;  
-CO-aryl; and  
-CO-heteroaryl;

n is 0 to 4;

Y is -O- or -S(O)<sub>0-2</sub>;

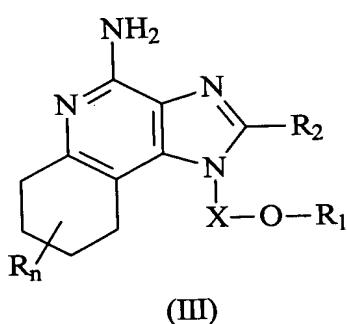
each R<sub>3</sub> is independently H or C<sub>1-10</sub> alkyl; and

each R present is independently selected from the group consisting of C<sub>1-10</sub> alkyl, C<sub>1-10</sub> alkoxy, hydroxy, halogen and trifluoromethyl;

or a pharmaceutically acceptable salt thereof, that induces cytokine biosynthesis.

37-39 (canceled)

40. (previously presented) A method of treating a neoplastic disease in an animal in need thereof comprising administering to the animal a therapeutically effective amount of a compound of the formula (III):



wherein: X is -CHR<sub>3</sub>-, -CHR<sub>3</sub>-alkyl-, or -CHR<sub>3</sub>-alkenyl-;

R<sub>1</sub> is selected from the group consisting of:

-aryl;  
-alkenyl; and  
-R<sub>4</sub>-aryl;

R<sub>2</sub> is selected from the group consisting of:

-hydrogen;  
-alkyl;  
-alkenyl;  
-aryl;  
-heteroaryl;  
-heterocyclyl;  
-alkyl-Y-alkyl;  
-alkyl-Y-aryl;  
-alkyl-Y- alkenyl; and  
-alkyl or alkenyl substituted by one or more substituents selected from the group consisting of:

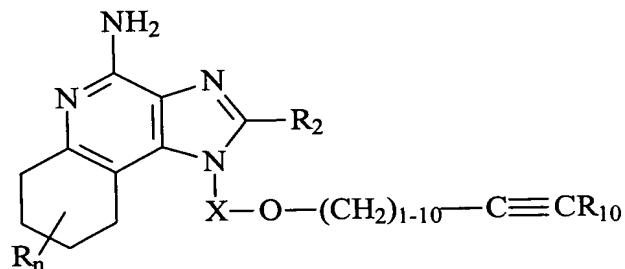
-OH;  
-halogen;  
-N(R<sub>3</sub>)<sub>2</sub>;  
-CO-N(R<sub>3</sub>)<sub>2</sub>;  
-CO-C<sub>1-10</sub> alkyl;  
-CO-O-C<sub>1-10</sub> alkyl;  
-N<sub>3</sub>;  
-aryl;  
-heteroaryl;  
-heterocyclyl;  
-CO-aryl; and  
-CO-heteroaryl;

R<sub>4</sub> is alkyl or alkenyl, which may be interrupted by one or more -O- groups;  
each R<sub>3</sub> is independently H or C<sub>1-10</sub> alkyl;

Y is  $-\text{O}-$  or  $-\text{S}(\text{O})_{0-2-}$ ;  
n is 0 to 4; and  
each R present is independently selected from the group consisting of  $\text{C}_{1-10}$  alkyl,  
 $\text{C}_{1-10}$  alkoxy, hydroxy, halogen and trifluoromethyl;  
or a pharmaceutically acceptable salt thereof, that induces cytokine biosynthesis.

41-45 (canceled)

46. (previously presented) A pharmaceutical composition comprising a therapeutically effective amount of a compound of the formula (IV):



wherein: X is  $-\text{CHR}_3-$ ,  $-\text{CHR}_3\text{-alkyl-}$ , or  $-\text{CHR}_3\text{-alkenyl-}$ ;

$\text{R}_{10}$  is selected from the group consisting of:

- H;
- alkyl;
- alkenyl; and
- aryl;

$\text{R}_2$  is selected from the group consisting of:

- hydrogen;
- alkyl;
- alkenyl;
- aryl;
- heteroaryl;

-heterocyclyl;  
-alkyl-Y-alkyl;  
-alkyl-Y-aryl;  
-alkyl-Y- alkenyl; and  
-alkyl or alkenyl substituted by one or more substituents selected from the group consisting of:  
-OH;  
-halogen;  
-N(R<sub>3</sub>)<sub>2</sub>;  
-CO-N(R<sub>3</sub>)<sub>2</sub>;  
-CO-C<sub>1-10</sub> alkyl;  
-CO-O-C<sub>1-10</sub> alkyl;  
-N<sub>3</sub>;  
-aryl;  
-heteroaryl;  
-heterocyclyl;  
-CO-aryl; and  
-CO-heteroaryl;

each R<sub>3</sub> is independently H or C<sub>1-10</sub> alkyl;

Y is -O- or -S(O)<sub>0-2</sub>;

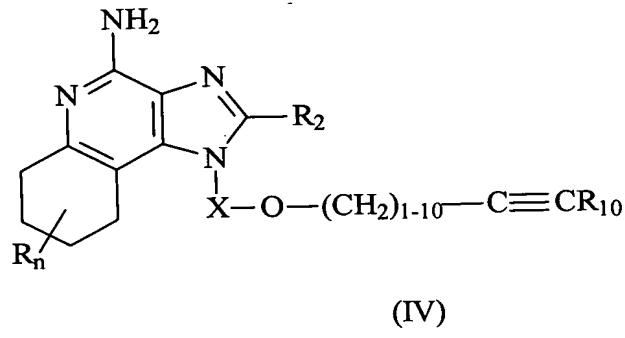
n is 0 to 4; and

each R present is independently selected from the group consisting of C<sub>1-10</sub> alkyl, C<sub>1-10</sub> alkoxy, hydroxy, halogen and trifluoromethyl;

or a pharmaceutically acceptable salt thereof, and a pharmaceutically acceptable carrier.

47-49 (canceled)

50. (previously presented) A method of treating a neoplastic disease in an animal in need thereof comprising administering to the animal a therapeutically effective amount of a compound of the formula (IV):



wherein: X is  $-\text{CHR}_3-$ ,  $-\text{CHR}_3\text{-alkyl}-$ , or  $-\text{CHR}_3\text{-alkenyl}-$ ;

$\text{R}_{10}$  is selected from the group consisting of:

- H;
- alkyl;
- alkenyl; and
- aryl;

$\text{R}_2$  is selected from the group consisting of:

- hydrogen;
- alkyl;
- alkenyl;
- aryl;
- heteroaryl;
- heterocyclyl;
- alkyl-Y-alkyl;
- alkyl-Y-aryl;
- alkyl-Y- alkenyl; and
- alkyl or alkenyl substituted by one or more substituents selected from the group consisting of:

- OH;
- halogen;
- $-\text{N}(\text{R}_3)_2$ ;

-CO-N(R<sub>3</sub>)<sub>2</sub>;  
-CO-C<sub>1-10</sub> alkyl;  
-CO-O-C<sub>1-10</sub> alkyl;  
-N<sub>3</sub>;  
-aryl;  
-heteroaryl;  
-heterocyclyl;  
-CO-aryl; and  
-CO-heteroaryl;

each R<sub>3</sub> is independently H or C<sub>1-10</sub> alkyl;

Y is -O- or -S(O)<sub>0-2</sub>-;

n is 0 to 4; and

each R present is independently selected from the group consisting of C<sub>1-10</sub> alkyl, C<sub>1-10</sub> alkoxy, hydroxy, halogen and trifluoromethyl;

or a pharmaceutically acceptable salt thereof, that induces cytokine biosynthesis.